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Dated: June 30, 2010 Electronic Signature: /Thomas J. Engelleener/  
(Thomas J. Engelleener)

Docket No.: 105447-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Anthony Atala et al.

Application No.: 10/766,642

Filed: January 28, 2004

For: Enhancement Of Angiogenesis To Grafts  
Using Cells Engineered To Produce Growth  
Factors

Attorney Docket No.: 105447-2

Confirmation No.: 4621

Group Art Unit: 1651

Examiner: Allison M Ford

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

Dear Sir:

Applicants submit the following expedited amendments and remarks in response to the Final Office Action dated March 30, 2010. Reconsideration and allowance of the application are respectfully requested.

**Amendments to the Claims** begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.